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290530

Applicant: Sullivan et al.

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Filing Date: January 18, 2002

Examiner: Casler, B.

Group Art Unit: 3737

**INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT**

Date: January 18, 2002

Page

1

of

8

**U.S. PATENT DOCUMENTS**

Examiner's Initials*		Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	Sub Class	Filing Date (if appropriate)
	AR	3,926,177	12/1975	Hardway, Jr. et al.			
	BR	4,016,876	04/1977	Martin et al.			
	CR	4,452,252	06/1984	Sackner			
	DR	4,602,644	07/1986	DiBenedetto et al.			
	ER	4,619,270	10/1986	Margolis et al.			
	FR	4,686,999	08/1987	Snyder et al.			
	GR	4,838,275	06/1989	Lee			
	HR	4,982,738	01/1991	Griebel			
	IR	5,245,995	09/1993	Sullivan et al.			
	JR						
	KR						
	LR						
	MR						
	NR						

**FOREIGN PATENT DOCUMENTS**

		Document Number	Date MM/YYYY	Country	Inventor Name		English Abstract		Translation Readily Available	
							Enclosed	No	Enclose	No
	OR									
	PR									

**OTHER (Including in this order Author, Title, Periodical Name, Date, Pertinent Pages, etc.)**

	QR	Ancoli-Israel et al., "Comparisons of home sleep recordings and polysomnograms in older adults with sleep disorders," Sleep, 1981, 4(3):238-291.							
	RR	Gyulay et al., "Evaluation of a microprocessor-based portable home monitoring system to measure breathing during sleep," Sleep, 1987, 10(2):130-142.							
	SR	Cummisky et al., "The detection and quantification of sleep apnea by tracheal sound recordings," Am. Rev. Respir. Dis., 1982, 126:221-224.							
	TR	J. Peirick et al., "Automated apnea detection by computer: analysis of tracheal breath sounds," Medical & Biological Engineering & Computing, September 1983, pp. 632-635.							
	UR								
	VR								

Examiner

Date Considered:

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

<b>FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE  (Patent and Trademark Office)</b>  <b>INFORMATION DISCLOSURE  STATEMENT BY APPLICANT</b>  (Use several sheets if necessary)	<b>ATTY. DOCKET NO.</b>	<b>SERIAL NO.</b>
	<b>APPLICANT:</b> Colin E. SULLIVAN and Christopher LYNCH	
	<b>FILING DATE</b>	<b>GROUP</b>

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		3,834,383	09/74	Weigl et al.			
		3,840,006	10/08/74	Buck et al.			
		3,863,630	02/04/75	Cavallo			
		3,961,627	06/08/76	Ernst et al.			
		3,972,327	08/03/76	Ernst et al.			
		4,239,039	12/16/80	Thompson			
		4,430,468	02/84	Hilton			
		4,537,190	08/85	Caillot et al.			
		4,570,631	02/86	Durkan			
		4,630,614	12/86	Atlas			
		4,637,386	01/87	Baum			
		4,686,974	08/18/87	Sato et al.			
		4,782,832	11/08/88	Trimble et al.			
		4,823,788	04/25/89	Smith et al.			
		4,838,257	06/89	Hatch			
		4,915,103	04/10/90	Visveshwara et al.			
		4,938,212	07/90	Snook et al.			
		5,024,219	06/91	Dietz			
		5,117,819	06/92	Servidio et al.			
		4,347,468	08/92	Wilke			
		5,134,995	08/92	Gruenke et al.			

**FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION**

		DOCUMENT NUMBER	PUBLISHED DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
		238,077	07/69	Soviet Union				
		82/03548	10/82	PCT				

**FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION (Continued)**

		171,321	02/86	European				
		86/05965	10/86	PCT				
		87/02577	05/87	PCT				

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages etc.)**

		Healthdyne Technologies Product brochure for "Tranquillity Plus," undated.
		DeVilbiss Health Care, Inc. product brochure for "Revitalizer Soft-Start," 1991.
		Healthdyne Technology magazine advertisement for "Tranquillity Plus," November 1990.
		Puritan Bennett's product brochure for "Companion 318" undated.
		Sefam's product brochure for "REM Plus," undated.
		Medical Industries America Inc.'s product brochure for "Sleepap," undated.
		Lifecare's product brochure for "CPAP-100" July 1991.
		ResCare, Ltd.'s product brochure for "Sullivan CPAP APD 2" undated.
		Respironics, Inc.'s product brochure for "REMstar Choice Nasal CPAP System," dated 1991.
		"The Role of Press Support..." Kacmarek R.M. Respiratory Care, Feb 1988 vol 33m No 2 pp 99-120.
		"Response Time: Flow by vs. Pressure", Dupuis, U.G. RRT Vol 24, Iss, 3 Mar. 1988, pp 5-6.
		"Flowby-Opinion 50" Puritan-Bennett Corp., pub # 20535A, Oct 1986, pp 1-6, Overland Park, KS, USA & Pub # AA-1144 Jan 1987
		"Investigation of the Spontaneous.....", Cox et al. Intensive Care Med., 1988 14:532-537

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EXAMINER INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	2,904,033	09/15/59	Shane			
	3,559,638	02/02/71	Potter			
	3,595,228	07/27/71	Simon, et al.			
	3,611,801	10/12/71	Paine, et al.			
	3,802,417	04/09/74	Lang			
	3,817,246	06/18/74	Weigl			
	3,882,847	05/13/75	Jacobs			
	3,903,875	09/09/75	Hughes			
	3,914,994	10/28/75	Banner			
	3,932,054	01/13/76	McKelvey			
	3,985,467	10/12/76	Lefferson			
	3,989,037	11/02/76	Franetzki			
	4,006,634	02/08/77	Billette, et al.			
	4,083,245	04/11/78	Osborn			
	4,312,235	01/26/82	Daigle			
	4,322,594	03/30/82	Brisson			
	4,381,788	05/03/83	Douglas			
	4,387,722	06/14/83	Kearns			
	4,414,982	11/15/83	Durkan			
	4,433,693	02/28/84	Hochstein			
	4,448,058	05/15/84	Jaffe et al.			
	4,499,914	02/19/85	Schebler			
	4,550,615	11/05/85	Grant			
	4,550,726	11/05/85	McEwen			
	4,558,710	12/17/85	Eichler			
	4,580,575	04/08/86	Birnbaum, et al.			
	4,595,016	06/17/86	Fertig, et al.			

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		4,648,396	03/10/87	Raemer			
		4,648,407	03/10/87	Sackner			
		4,677,975	07/07/87	Edgar et al.			
		4,686,999	08/18/87	Snyder et al.			
		4,738,266	04/19/88	Thatcher			
		4,777,963	10/18/88	McKenna			
		4,795,314	01/03/89	Prybella et al.			
		4,802,485	02/07/89	Bowers, et al.			
		4,803,471	02/07/89	Rowland			
		4,819,629	04/11/89	Jonson			
		4,825,802	05/02/89	Le Bec			
		4,827,922	05/09/89	Champaign et al.			
		4,838,258	06/13/89	Dryden, et al.			
		4,844,085	07/04/89	Gattinoni			
		4,860,766	08/29/89	Sackner			
		4,870,960	10/03/89	Hradek			
		4,938,210	07/03/90	Shene			
		4,957,107	09/18/90	Sipin			
		4,960,118	10/02/90	Pennock			
		4,971,065	11/20/90	Pearce			
		4,972,842	11/27/90	Korten et al.			
		4,986,269	01/22/91	Hakkinen			
		5,052,400	10/01/91	Dietz			
		5,063,922	11/12/91	Hakkinen			
		5,105,354	04/14/92	Nishimura			
		5,170,798	12/15/92	Riker			

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		5,195,528	03/23/93	Hok			
		5,199,424	04/06/93	Sullivan, et al.			
		5,231,983	08/03/93	Matson et al.			
		5,239,995	08/31/93	Estes, et al			
		5,259,373	11/09/93	Gruenke, et al.			
		5,313,937	05/24/94	Zdrojkowski			
		5,322,057	06/21/94	Raabe et al.			
		5,388,571	02/14/95	Roberts et al.			
		5,433,193	07/18/95	Sanders, et al.			
		Re. 35,295	07/16/96	Estes, et al.			
		5,549,106	08/27/96	Gruenke et al.			
		5,660,171	08/26/97	Kimm et al.			
		5,845,636	12/08/98	Gruenke et al.			

# FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

EXAMINER INITIAL		DOCUMENT NUMBER	PUBLISHED DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
		1,432,572	04/22/76	London				
		JP 54-104369	08/16/79	Japan				
		1,583,273	01/21/81	London				
		DE 3015279 A1	10/29/81	Germany				
		GB 2 077 444 A	12/16/81	Great Britain				
		WO 82/03326	10/14/82	PCT				
		EP 0 066 451 A1	12/08/82	European				
		DE 3345067 A1	06/20/84	Germany				
		EP 0 164 500 A2	03/09/85	European				
		DE 3429345 A1	06/13/85	Germany				
		EP 0 171 321 A1	02/12/86	Europe				
		GB 2 164 569 A	03/26/86	Great Britain				
		GB 2 166 871 A	05/14/86	Great Britain				
		WO 86/06969	12/04/86	PCT				
		DE 3537507 A1	04/23/87	Germany				
		JP 62-103297	04/28/87	Japan				
		EP 0 236 850 A2	09/16/87	European				
		JP 63-275352	11/14/88	Japan				
		WO 88/10108	12/29/88	PCT				
		EP 298 367 A2	01/11/89	European				
		EP 0 425 092 A1	09/22/89	Europe				
		WO 90/14121	1/29/90	PCT				
		GB 2 221 302 A	01/31/90	Great Britain				
		EP 0 452 001 A2	03/30/90	Europe				
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U.S. PATENT DOCUMENTS

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	3,726,270	04/10/73	Griffis et al			
	4,206,754	06/10/80	Cox et al.			
	4,481,944	11/13/84	Bunnell			
	4,519,399	5/28/85	Hori			
	4,747,403	05/31/88	Gluck et al.			
	4,928,684	05/29/90	Breitenfelder et al.			
	5,046,491	9/10/91	Derrick			
	5,048,515	09/17/91	Sanso			
	5,063,938	11/12/91	Beck et al			
	5,099,837	03/31/92	Russel Sr. Et al.			
	5,107,830	04/28/92	Younes			
	5,107,831	04/28/92	Halpern et al			
	5,129,390	07/14/92	Chopin et al.			
	5,239,994	08/31/93	Atkins			
	5,303,700	04/19/94	Weismann et al			
	5,303,698	08/19/94	Tobia et al			
	5,373,842	12/20/94	Olsson et al.			
	5,400,777	03/28/95	Olsson et al.			
	5,509,414	04/23/96	Hok			

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